

QAPP Worksheet #25: Analytical Instrument and Equipment Maintenance, Testing, and Inspection Table

Instrument/ Equipment	Maintenance Activity	Testing/Inspection Activity	Frequency	Acceptance Criteria	Corrective Action	Responsible Person for CA	SOP Reference ¹
HPGe		Contamination Check	Weekly + each day before & after detector is used	Control Chart Limits	Root Cause Analysis	Instrument Administrator	AM/SOP-3
HPGe		QC Check	Weekly + each day before & after detector is used	Energy - ± 1 keV FWHM – 30% above & below the mean Efficiency – control chart limits	Root Cause Analysis	Instrument Administrator	AM/SOP-3
Alpha Spectrometers		Background	Biweekly	Control Charted	Root Cause Analysis	Instrument Administrator	NC/SOP-8
Alpha Spectrometers		Eff. Check	Weekly	Control Charted FWHM – 30% above & below the mean Efficiency – control chart limits	Root Cause Analysis	Instrument Administrator	NC/SOP-8